



**UNIVERSITÀ  
DEGLI STUDI  
DI TRIESTE**

## **Trieste Quantum Seminar Series**

**Tuesday 10th of December 2024, at 14:30**

**Sala Atti Cacciaguerra, Edificio A-Corpo Centrale**

**University of Trieste, Piazzale Europa 1**

### **Prof. Giuseppe (Pino) Vallone**

Full Professor

Department of Information Engineering

University of Padova, Italy



### **Recent Developments in Quantum Communication and Quantum Randomness**

Within the last two decades, Quantum Technologies have made tremendous progress, from proof of principle demonstrations to real life applications, such as Quantum Key Distribution (QKD) and Quantum Random Number Generators (QRNGs). We will discuss the results that we have recently obtained in our group at the University of Padova towards the realization of secure QRNGs and mature and efficient QKD systems.

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**Trieste Quantum**

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